NAME _____ G00 _____ ENTRY TERM _____

## BACHELOR OF ARTS

## CHEMISTRY/3-2 Engineering (0701/5036)

**Gen Education Requirements:** 21-24

SUNY Gen Ed Requirements (GER)

| | | | |
|---|---|---|---|
| Mathematics | R/* | _____ | 3-4 |
| Basic Com | INTD 105 | _____ | 3 |
| Nat Sci I Lec/Lab | N/ | _____ | 3-5 |
| Social Sciences I | S/ | _____ | 3 |
| American History | U/* | _____ | 3 |
| Other World Civ | M/* | _____ | 3 |
| Fine Arts I | F/ | _____ | 3 |

**Geneseo Breadth Requirements:** ## 11-28

| | | | |
|---|---|---|---|
| Nat Sci II Lec/Lab | N/ | _____ | 3-5 |
| Social Sciences II | S/ | _____ | 0-3 |
| Fine Arts II | F/ | _____ | 0-3 |
| Humanities I | H/ | _____ | 4 |
| Humanities II | H/ | _____ | 4 |
| LANG 101 | L/ | _____ | 0-3 |
| LANG 102 | L/ | _____ | 0-3 |
| LANG 201 | L | _____ | 0-3 |
| **TOTAL:** | | | 32-52 |

**MAJOR** *(See notes on back)*

| | | |
|---|---|---|
| Chem 116 &118 OR | | |
| Chem 203 & 204/223 | _____ | 6 |
| Chem 119 | _____ | 2 |
| Chem 209 | _____ | 2 |
| Chem 211 or 224 | _____ | 3 |
| Chem 213 | _____ | 3 |
| Chem 320 | _____ | 3 |
| Chem 322 | _____ | 3 |
| Chem 330 | _____ | 3 |
| Chem 340 | _____ | 3 |
| Chem 342 | _____ | 2 |
| **TOTAL** | _____ | 30 |

**Related Requirements**

| | | |
|---|---|---|
| Math 221/R | _____ | 4 |
| Math 222 | _____ | 4 |
| Math 223 | _____ | 4 |
| Math 326 | _____ | 3 |
| Phys 123&114 N/ | _____ | 4 |
| Phys 125&116 | _____ | 4 |
| Phys 223 | _____ | 3 |
| Intd 121 or Math 230 | _____ | 3 |
| **TOTAL** | _____ | 29 |

courses with major prefix may not be used to fulfill N/, S/, or F/areas
*may overlap with courses offered by major department
##courses from the Geneseo Breadth Requirements may be used to bring total credits to 30

| Semester _____ Hrs | Semester _____ Hrs | Semester _____ Hrs | Semester _____ Hrs |
|---|---|---|---|
| _____ ____ | _____ ____ | _____ ____ | _____ ____ |
| _____ ____ | _____ ____ | _____ ____ | _____ ____ |
| _____ ____ | _____ ____ | _____ ____ | _____ ____ |
| _____ ____ | _____ ____ | _____ ____ | _____ ____ |
| Total ____ | Total ____ | Total ____ | Total ____ |
| Semester _____ Hrs | Semester _____ Hrs | Semester _____ Hrs | Semester _____ Hrs |
| _____ ____ | _____ ____ | _____ ____ | _____ ____ |
| _____ ____ | _____ ____ | _____ ____ | _____ ____ |
| _____ ____ | _____ ____ | _____ ____ | _____ ____ |
| _____ ____ | _____ ____ | _____ ____ | _____ ____ |
| Total ____ | Total ____ | Total ____ | Total ____ |

Revised 06/2014

Total Semester Hours = 120

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**DEPARTMENTAL NOTES: CHEMISTRY/3-2 Engineering**

**Engineering (3-2) Program**: Interested students should consult the curriculum guide sheets for this program and seek advice from the Chemistry Department. Those completing this five-year program receive a Bachelor of Arts or a Bachelor of Science degree (in Chemistry) from Geneseo and a Bachelor of Science in Chemical Engineering degree from the State University of New York at Buffalo, Clarkson College, or Columbia University.

1. Majors must fulfill the department writing requirement – see College Bulletin.

2. Minimum Competency Requirement. Students must attain a grade of C- or better in all required chemistry courses. A grade of C- must be achieved in any course before it can be used as a prerequisite for another course.

3. Majors must complete **69 hours** outside the major department.

4. Non-science electives may include 9 hours of computer science (in addition to CSCI 121) and courses from areas other than natural science and mathematics. Foreign languages are non-science electives that also meet the SUNY Buffalo Foreign Languages and Cross-Cultural Areas general education requirement.

5. Students who select the B.S. degree in Chemistry with A.C.S. Certification usually take CHEM 331 although this requirement may be waived if an appropriate course is taken at engineering school.

6. Where no prerequisites apply, some variation in the order or semester I which courses are taken is possible. Students should consult their advisors for additional information.

**ADDITIONAL OPTION:**
Students seeking provisional certification in Elementary Education (N-6) must choose the B.S. in Natural Science

Curriculum Guide Sheets are updated after publication of the College Undergraduate Bulletin to reflect mid-publication curricular changes. If you notice any inexplicable variation, please contact the Office of the Dean of the College immediately (Erwin 106, Ext. 5541).

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